

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
A33224

Serial No.  
09/712,399

Applicant  
Matti Kiik et al.

Filing Date  
November 14, 2000

Group

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary) #4

**U.S. PATENT DOCUMENTS**

*Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
SA	3 4 5 0 1 9 2	06/1969	H. R. Hay	165	49	—
	3 5 6 3 3 0 5	02/1971	H. R. Hay	165	49	—
	3 9 9 4 2 7 8	11/1976	A. L. Pittinger	126	591	—
	4 0 8 2 0 8 0	04/1978	A. L. Pittinger	126	714	—
	4 6 2 3 3 9 0	11/1986	J. A. Delmonico	106	15.05	—
	4 7 4 5 0 3 2	05/1988	B. J. Morrison	428	215	—
	4 7 8 4 8 9 7	11/1988	Brands et al.	428	219	—
	5 9 6 5 2 5 7	10/1999	Ahluwalia	428	357	—
SA	5 9 9 3 5 2 3	11/1999	Keemer et al.	106	14.21	—

**FOREIGN PATENT DOCUMENT**

Document No.	Date	Country	Class	SubClass	Translator Yes No

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)**

SA	Technical Product Data Sheet #726, Aluminum Fibered Roof Coating, available on line at <a href="http://www.malarkey-rfg.com/726.htm">www.malarkey-rfg.com/726.htm</a> , effective 11/08/99, accessed on 5/12/2000.
SA	Ceramic Cover product description, available on line at <a href="http://thermalprosystems.com">http://thermalprosystems.com</a> accessed on 5/12/2000.

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SA		Measurements and Database for Cool Roofing Materials, P. Berdahl et al., published on line at <a href="http://eetd.lbl.gov/HeatIsland/CoolRoofs/Overview/CoolRoofs99-01.html">http://eetd.lbl.gov/HeatIsland/CoolRoofs/Overview/CoolRoofs99-01.html</a> , last modified on June 16, 1999.
		Standard Test Method for Solar Absorbance, Reflectance, and Transmittance of Materials Using Integrating Spheres, ASTM Designation: E903-96, May 1996.
		Standard Tables for References Solar Spectral Irradiance at Air Mass 1.5: Direct Normal and Hemispherical for a 37° Tilted Surface, Designation G 159-98, March 1999.
		Energy Star Roof Products Program: Background Information, Partners, & Compliant Product List, February 2000
		Mule-Hide Roof Coating Systems published on line at <a href="http://www.betterroofing.com/res.html">www.betterroofing.com/res.html</a> , last modified 3/30/97
		Product Description for LO/MIT™ -I/II accessed on May 12, 2000 on-line at <a href="http://www.solec.org/LOMIThome.htm">www.solec.org/LOMIThome.htm</a>
		Roofing as an Energy Asset, David Koziowski, Maintenance Solutions, Nov. 1999, published on-line at <a href="http://www.facilitiesnet.com/fn/NS/NS3m9kh.html">www.facilitiesnet.com/fn/NS/NS3m9kh.html</a>
		Durability of High-Albedo Roof Coatings, Sarah Bretz et al., Recent Research in the Building Energy Analysis Group at the Lawrence Berkley Labs., Issue #5, Feb. 1994 published on-line at <a href="http://EETD.LBL.gov/EA/Buildings/Research/Albedo.html">http://EETD.LBL.gov/EA/Buildings/Research/Albedo.html</a>
		Reflections on a Cool Roof, R. Fricklas, Roofing Industry Educational Institute (RIEI) Information Letter, Spring 1999, published on-line at <a href="http://www.northstarcsi/tech-coolroof.htm">www.northstarcsi/tech-coolroof.htm</a>
		Revisiting Reflective Roof Surfaces, G. Teitsma, Professional Roofing Jan. 2001, pp. 18-21.
		Demonstration of Energy Savings of Cool Roofs, S. Konopacki et al., published on-line at <a href="http://eetd.lbl.gov/EA/Reports/40673/">http://eetd.lbl.gov/EA/Reports/40673/</a> , last modified April 27, 2000.
		<a href="http://eetd.lbl.gov/CoolRoof/ref_01.htm">http://eetd.lbl.gov/CoolRoof/ref_01.htm</a> , accessed 9/18/2000
SA		

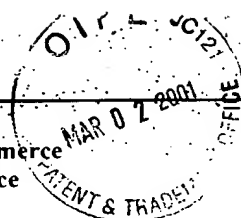
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			Vinyl Single-ply Roofing, Published on-line at <a href="http://www.vinylbydesign.com/roofing/environmental.html">www.vinylbydesign.com/roofing/environmental.html</a> , accessed 9/18/2000
			Cool Systems for Hot Cities, H. Akbari et al., Professional Roofing, Oct. 1998, published on-line at <a href="http://www.professionalroofing.net">www.professionalroofing.net</a> , ©2000, accessed 9/18/2000
			Roof Coatings, published on-line at <a href="http://eetd.lbl.gov/coolroof/coating.htm">http://eetd.lbl.gov/coolroof/coating.htm</a> , accessed 10/3/2000
			Asphalt Shingles, published on-line at <a href="http://eetd.lbl.gov/coolroof/asshingl.htm">http://eetd.lbl.gov/coolroof/asshingl.htm</a> , accessed 10/3/2000
			Cool Roofs Instrumentation, published on line at <a href="http://eetd.lbl.gov/HeatIsland/CoolRoofs/Instruments/">http://eetd.lbl.gov/HeatIsland/CoolRoofs/Instruments/</a> , last modified 4/27/00.
			Collaboration with Industry, published on-line at <a href="http://eetd.LBL.gov/HeatIsland/CoolRoofs/Collaborators/">http://eetd.LBL.gov/HeatIsland/CoolRoofs/Collaborators/</a> , last modified 4/27/00
SA			Roofing Membranes, published on-line at <a href="http://EandE.lbl.gov/CoolRoof/membrane.htm">http://EandE.lbl.gov/CoolRoof/membrane.htm</a> , accessed 10/27/2000.

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*Sheeba Ahmed*

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**U.S. PATENT DOCUMENTS**

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						Yes	No
NO translation	1 9 7 2 9 5 3 3	01/14/99	Germany				
SA	1 2 2 8 5 9 2	05/14/71	United Kingdom			✓	

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)**


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*Shruba Ahmed*

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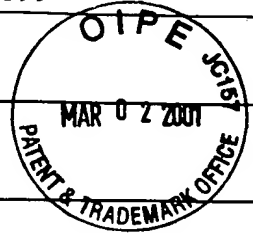
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	7 9 6 4 5	7/1868	Ferguson	106	275	
	8 3 5 3 9	10/1868	Pinner	106	275	
	3 6 0 3 2 2 1	9/1971	Barton et al.	404	31	
	3 6 1 6 1 7 3	10/1971	Green et al.	428	331	
	3 6 3 4 2 9 3	1/1972	Bonitz	524	8	
	3 7 2 1 5 7 8	3/1973	Bennett et al.	442	85	
	3 8 4 1 8 8 5	10/15/74	Gus R. Jakel	106	663	
	3 9 5 4 5 5 5	5/4/76	Kole et al.	162	136	
	3 9 9 2 3 4 0	11/1976	Bonitz	524	59	
	4 0 4 4 1 8 8	8/1977	Segal	428	297.4	
	4 0 7 3 9 9 7	2/1978	Richards et al.	442	374	
	4 0 7 9 1 5 8	3/1978	Kennepohl et al.	428	143	
	4 0 8 2 8 8 5	4/1978	Rashid et al.	442	72	
SA	4 1 3 0 5 1 6	12/1978	Gagle et al.	524	71	

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Document No.	Date	Country	Class	SubClass	Translator Yes No
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289082	4/1991	Germany	—	—	
PCT/US87/01474	1/1988	International	—	—	

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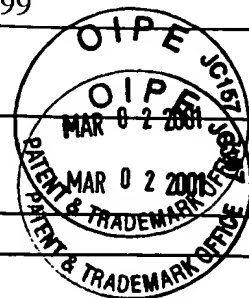
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4	2	1	2	9	1	3	7/1980	Auten	428	209
4	2	1	4	0	3	2	7/1980	Cskiós et al.	442	44
4	2	2	9	3	2	9	10/1980	Herbert Bennett	442	86
4	2	6	5	9	6	2	5/1981	May	524	44
4	2	7	3	6	8	5	6/1981	Marzocchi et al.	442	82
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4	3	0	6	9	1	1	12/22/81	Gordon et al.	442	29
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4	3	3	2	7	0	5	6/1982	Uffner	428	143
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4	4	0	5	6	8	0	9/1983	Hansen	442	180
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4	4	7	3	6	1	0	9/1984	Davis	428	143
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4	5	0	6	0	6	0	3/19/85	White Sr. et al.	525	163
4	5	1	3	0	4	5	4/1985	Bondoc et al.	428	137
4	5	2	1	4	7	8	6/1985	Hageman	442	374
4	5	5	5	5	4	3	11/26/85	Effenberger et al.	524	520
4	5	6	0	6	1	2	12/1985	Yau	442	176
4	5	7	1	3	5	6	2/18/86	White, Sr. et al.	428	143

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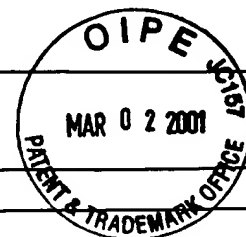
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	4	6	0	9	7	0	9	9/1986	Yau	525	164
	4	6	1	0	9	1	8	9/9/86	Effenberger et al.	442	608
	4	6	1	2	2	3	8	9/1986	DellaVecchia et al.	442	180
	4	6	4	7	4	9	6	3/1987	Lehnert et al.	442	386
	4	6	5	4	2	3	5	3/1987	Effenberger et al.	427	4073
	4	6	6	4	7	0	7	5/1987	Wilson et al.	166	18.11
	4	6	8	3	1	6	5	7/28/87	Lindemann et al.	442	173
	4	7	3	8	8	8	4	4/1988	Algrim et al.	428	57
	4	7	4	5	0	3	2	5/1988	Bernard J. Morrison	428	215
	4	7	4	6	5	6	0	5/1998	Goeden	428	151
	4	7	5	5	5	4	5	7/1988	Lalwani	524	64
	4	7	6	4	4	2	0	8/1988	Gluck et al.	428	317.7
	4	7	8	4	8	9	7	11/1988	Brands et al.	428	219
	4	8	1	0	5	6	9	3/1989	Lehnert et al.	442	386
	4	8	3	5	0	0	4	5/1989	Kawanishi	427	458
	4	8	3	7	0	9	5	6/1989	Hageman	442	374
	4	8	7	9	1	7	3	11/1989	Randall	442	86
	4	8	8	9	8	8	0	12/1989	Miller	524	71
	4	9	1	7	7	6	4	4/1990	Lalwani et al.	162	156
	4	9	4	4	8	1	8	7/1990	Dybsky et al.	156	71
	5	0	0	1	0	0	5	3/1991	Blanpied	442	373
	5	0	1	5	7	1	1	5/1991	Simonet al.	526	301
	5	0	1	9	6	1	0	5/1991	Sitz et al.	524	61
SA	5	0	3	0	5	0	7	7/9/91	Mudge et al.	442	147

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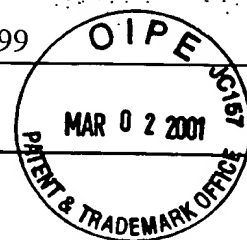
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5	2	2	0	7	6	2	6/1993	Lehnert et al.	106	724
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5	3	1	8	8	4	4	6/1994	Ralph E. Brandon	156	78
5	3	3	4	6	4	8	8/1994	Drews et al.	428	357
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